

FIG. 1

Name	a	b	c	d	e	i	A	B	C	D	E	K	D-1	D0
D.0	0	1	1	0	0	0	0	0	0	0	0	0	+	-
D.0	1	0	0	1	1	1	0	0	0	0	0	0	-	+
D.1	1	0	0	0	1	0	1	0	0	0	0	0	+	-
D.1	0	1	1	1	0	1	1	0	0	0	0	0	-	+
D.2	0	1	0	0	1	0	0	1	0	0	0	0	+	-
D.2	1	0	1	1	0	1	0	1	0	0	0	0	-	+
D.3	1	1	0	0	0	1	1	1	0	0	0	0	x	0
D.4	0	0	1	0	1	0	0	0	1	0	0	0	+	-
D.4	1	1	0	1	0	1	0	0	1	0	0	0	-	+
D.5	1	0	1	0	0	1	1	0	1	0	0	0	x	0
D.6	0	1	1	0	0	1	0	1	1	0	0	0	x	0
D.7	1	1	1	0	0	0	1	1	1	0	0	0	-	0
D.7	0	0	0	1	1	1	1	1	0	0	0	0	+	0
D.8	0	0	0	1	1	0	0	0	1	0	0	0	+	-
D.8	1	1	1	0	0	1	0	0	0	1	0	0	-	+
D.9	1	0	0	1	0	1	1	0	0	1	0	0	x	0
D.10	0	1	0	1	0	1	0	1	0	1	0	0	x	0
D.11	1	1	0	1	0	0	1	1	0	1	0	0	x	0
D.12	0	0	1	1	0	1	0	0	1	1	0	0	x	0
D.13	1	0	1	1	0	0	1	0	1	1	0	0	x	0
D.14	0	1	1	1	0	0	0	1	1	1	0	0	x	0
D.15	1	0	1	0	0	0	1	1	1	1	0	0	+	-
D.15	0	1	0	1	1	1	1	1	1	0	0	0	-	+
D.16	0	1	1	0	1	1	0	0	0	0	1	0	-	+
D.16	1	0	0	1	0	0	0	0	0	1	0	0	+	-
D.17	1	0	0	0	1	1	1	0	0	0	1	0	x	0
D.18	0	1	0	0	1	1	0	1	0	0	1	0	x	0
D.19	1	1	0	0	1	0	1	1	0	0	1	0	x	0
D.20	0	0	1	0	1	1	0	0	1	0	1	0	x	0
D.21	1	0	1	0	1	0	1	0	1	0	1	0	x	0
D.22	0	1	1	0	1	0	0	1	1	0	1	0	x	0
D/K.23	1	1	1	0	1	0	1	1	1	0	1	x	-	+
D/K.23	0	0	0	1	0	1	1	1	0	1	1	x	+	-
D24	0	0	1	1	0	0	0	0	1	1	1	0	+	-
D24	1	1	0	0	1	1	0	0	0	1	1	0	-	+
D.25	1	0	0	1	1	0	1	0	0	1	1	0	x	0
D.26	0	1	0	1	1	0	0	1	0	1	1	0	x	0
D/K.27	1	1	0	1	1	0	1	1	0	1	1	x	-	+
D/K.27	0	0	1	0	0	1	1	1	0	1	1	x	+	-
D.28	0	0	1	1	1	0	0	0	1	1	1	0	x	0
K.28	0	0	1	1	1	1	0	0	1	1	1	1	-	+
K.28	1	1	0	0	0	0	0	0	1	1	1	1	+	-
D/K.29	1	0	1	1	1	0	1	0	1	1	1	x	-	+
D/K.29	0	1	0	0	0	1	1	0	1	1	1	x	+	-
D/K.30	0	1	1	1	1	0	0	1	1	1	1	x	-	+
D/K.30	1	0	0	0	0	1	0	1	1	1	1	x	+	-
D.31	1	0	1	0	1	1	1	1	1	1	1	0	-	+
D.31	0	1	0	1	0	0	1	1	1	1	1	0	+	-

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FIG. 2

Name	f	g	h	j	F	G	H	K	D-1	D0
D/K.x.0	0	1	0	0	0	0	0	x	+	-
D/K.x.0	1	0	1	1	0	0	0	x	-	+
D/K.x.1	1	0	0	1	1	0	0	x	x	0
K.28.1	0	1	1	0	1	0	0	1		0
D/K.x.2	0	1	0	1	0	1	0	x	x	0
K.28.2	1	0	1	0	0	1	0	1		0
D/K.x.3	1	1	0	0	1	1	0	x	-	0
D/K.x.3	0	0	1	1	1	1	0	x	+	0
D/K.x.4	0	0	1	0	0	0	1	x	+	-
D/K.x.4	1	1	0	1	0	0	1	x	-	+
D/K.x.5	1	0	1	0	1	0	1	x	x	0
K.28.5	0	1	0	1	1	0	1	1		0
D/K.x.6	0	1	1	0	0	1	1	x	x	0
K.28.6	1	0	0	1	0	1	1	1		0
D.x.7	1	1	1	0	1	1	1	0	-	+
D.x.7	0	0	0	1	1	1	1	0	+	-
D/K.x.7	0	1	1	1	1	1	1	x	-	+
D/K.x.7	1	0	0	0	1	1	1	x	+	-

FIG. 3

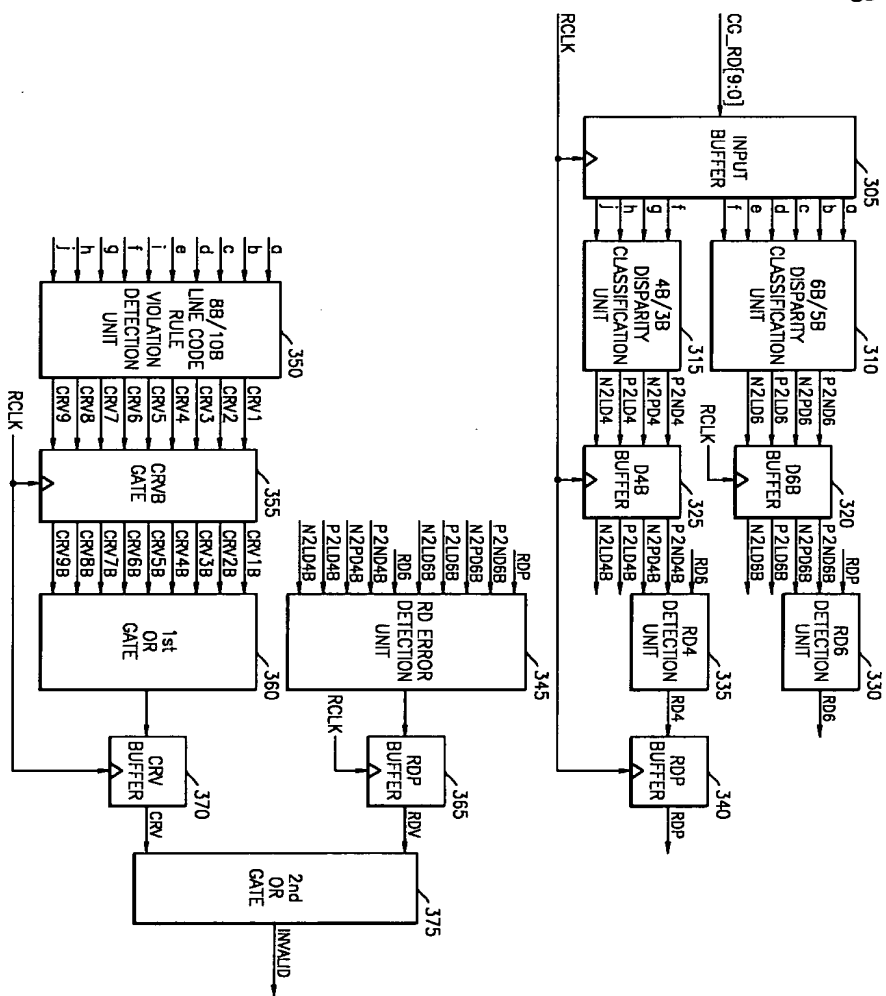


FIG. 4

Name	Disparity Class
P2ND6	$(p22^*e^*)^*(i^*)$ OR $(p13^*e^*)$ OR $(p13(i^*))$
N2PD6	$(p22^*e^*i)$ OR $(p31^*e)$ OR $(p31^*i)$
P2LD6	$p13^*d^*e^*i$
N2LD6	$p31^*(d^*)^*(e^*)^*(i^*)$
Note. 1. * : Logical AND	
2. ' : Logical NOT	
3. ^ : Logical Exclusive-OR	
4. p22 = $((a^*b)^*((c^*)^*(d^*)))$ OR $((c^*d)^*(a)^*(b^*))$ OR $((a^*b)^*(c^*d))$	
5. p13 = $((a^*b)^*((c^*)^*(d^*)))$ OR $((c^*d)^*(a)^*(b^*))$	
6. p31 = $((a^*b)^*(c^*d))$ OR $((c^*d)^*(a^*b))$	

FIG. 5

Name	Disparity Class
P2ND4	$((f^*)^*(h^*)^*(j^*))$ OR $((f^*)^*(g^*)^*(j^*))$ OR $((f^*)^*(g^*)^*(h^*))$ OR $((g^*)^*(h^*)^*(j^*))$
N2PD4	$(f^*h^*j)$ OR $(f^*g^*j)$ OR $(f^*g^*h)$ OR $(g^*h^*j)$
P2LD4	$(f^*)^*(g^*)^*(h^*j)$
N2LD4	$f^*g^*(h^*)^*(j^*)$
Note. 1. * : Logical AND	
2. ' : Logical NOT	

FIG. 6A

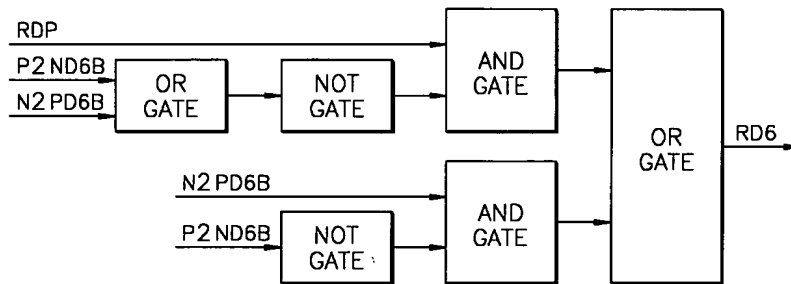


FIG. 6B

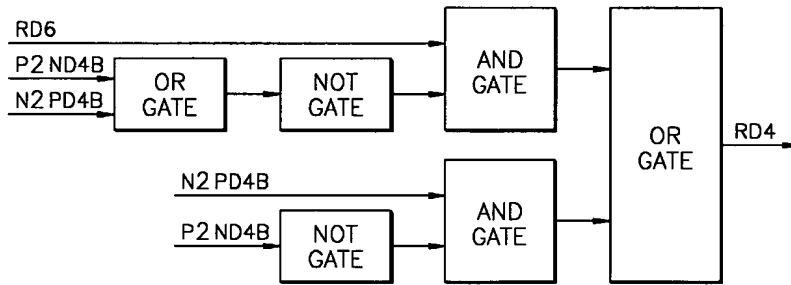


FIG. 7

Name	Running Disparity Violation Class
RDV1	P2ND68*(RD6')
RDV2	N2PD68*RD6
RDV3	P2LD68*(RD6')
RDV4	N2LD68*RD6
RDV5	P2ND48*(RD6')
RDV6	N2PD48*RD6
RDV7	P2LD48*(RD6')
RDV8	N2LD48*RD6

Note. 1. \* : Logical AND  
 2. ' : Logical NOT

FIG. 8

Name	8B/10B Line-Coding Rule Violation Class
CRV1	a = b = c = d
CRV2	P13*(e')*(i')
CRV3	P31*e*i
CRV4	f = g = h = j
CRV5	e = i = f = g = h
CRV6	iA(e = g = h = j)
CRV7	((e = i)^(g = h = j))*(c = d = e)'
CRV8	(P31')*e*(i')*(g')*(h')*(j')
CRV9	(P13')*(e')*i*g*h*j

Note. 1. \* : Logical AND  
 2. ' : Logical NOT  
 3. A : Logical Exclusive-OR  
 4. P22 = ((a\*b)\*((c')\*(d')) OR ((c\*d)\*(a')\*(b')) OR ((a\*b)\*(c\*d))  
 5. P13 = ((a\*b)\*((c')\*(d')) OR ((c\*d)\*(a')\*(b'))  
 6. P31 = ((a\*b)\*c\*d) OR ((c\*d)\*a\*b)

FIG. 9

